ABSTRACT

This invention provides a method and a system to read and buffer an audio data file from an optical storage medium into a buffer memory. The data file comprises blocks sequentially stored in the medium. Each block comprises a subcode block

5   with encoded subcodes and a corresponding main data block with encoded audio data. The method first designates a starting block where buffering starts and searches for the starting block in the blocks. After the starting block is searched, trigger a main data block decoding procedure to decode the starting block and main data blocks in later blocks. According to the timing when the main data block decoding procedure is

10   triggered, decide the timing to trigger buffering the decoded subcodes to the buffer memory. Therefore, the subcodes and corresponding audio data belonging to the same block before decoding can be buffered into the same buffer unit after decoding.